of the Bladder

IMPTION

R. R. WAY'S

. DIARRIGEA. RA MORBUS, EVER AND AGUE LGIA.

IPHTHERIA. INFLUENZA AT, ULT BRZATHING. Complaints,

AIN REMEDY the most excruciating pains, ad cures Congestion, whether h. Bowels, or other glands or

TWENTY MINUTES.

NSTANT EASE! the Kidneys, Inflam.

AND AGUE.

WAY'S

bstitute for Calomel.

ritable Urethra," rofula," Ifferent classes | Disease SE AND TRUE " to BABWAY & CO maands will be sent you, ter guarantee of the value of t

WAY'S PILLS will free the inte per Box. ender must consult our boos's

much damage, if those who first discovered

them understood the principles of combus-

tion, and were cool enough to adopt the

best means at hand to extinguish the fire.

VOLUME XLI:::NO. 18. reaks out, and do not get so excited as to | be unable to work judiciously.

ASSACHUSETTS PLOUGHMAN

So. 13 Will Street, (cor. Beronshire St

BOSTON.

ositethe New PostOffice,]

GEO. NOYER Ploughmun Company

or Postage on the Proventant a 30 cents a year

Coitorial.

SAFETY OF CHIMNEYS.

among the frequent causes of the destruct

sale chimneys, caused so by being imperly constructed, or by the carelessness

work to the chimney, or by cracks

male by the settling of an improperly con-

ate. Generally the wood very gradually

comes charred, and in time reaches that

ighly inflammable state, which requires only

low degree of heat to ignite it, and when

such rapidity that the means which are with-

foundation. But by whatever cause

omes unsafe, it generally fails to atat the attention of the owner until too

PROPRIETORS.

JOURNAL OF AGRICULTURE

Organ of the N. E. Agricultural Society.

EEALY AT " PLOUGHNAN BUILDING."

To be able to exercise good judgment when one's house is on five is very difficult. hough not impossible. It is well to give the subject some previous thought, as to what action would be best in case a fire hould occur; then when the time for ac-ion comes, one will naturally fall into the right train of action, even though they are too much excited for deliberate thought.

Questions & Answers.

All questions to the Easter, desiring answer ough the Ploughman, should be accompanied by

MILK AND BUTTER-FRED FOR

CALF. Editor Massachusetts Ploughman:

res :- The milk was from nineteen cows and heifers, of the age from ten to two Nov. 11th, 400 lbs. milk set 56 hours; temperature from 40 to 50 deg.; made 21 lbs. butter. Time of churning, 1 hour 40 a of farm, and other dwellings by fire, is gnorance of carpenters in attaching the

> utter. Time of churning 55 minutes. Nov. 19, 400 lbs, milk set 36 hours: tem perature 60 to 70 deg.; made 23 5.8 lbs. butter. Time of churning 25 minutes. The cream was warmed to 62 deg. before eing put in the churn, in the three trials In the second trial it might have made more f the milk had set longer.
> At the time of these trials the cows had

the reach of a farm-r's family, are rarely Micient to extinguish the fire, even though t be in the day time; for the farmer is usually away at work on the farm, and only emale help is at hand; if it be in the night Did the grain she had increase the butter in he same proportion it did milk, or would he milk have given more per cent. of butter the grain had not been given her? the farmer is fortunate if he awakes in me to save the lives of his family. Thus many houses are totally destroyed because I have a calf five months old the 21st of the chimney has not been properly conlast December. When he was two months cld he weighed 330 lbs.; at four months he weighed 430 lbs. Will a quart of corn meal and a pint of fine feed, scalded and mixed structed, or the carpenter has failed to do

Ploughman whether stable manure applied as a top dressing is advisable? and at what time of the year best applied?

Respectfully, E. s. s.
Marlboro', Mass., Dec. 31, 1881.

INTERESTING FARM ANALYSIS.

he full name of the correspondent.

I send you the following account of the number of pounds of milk to a pound of outter from milk set at different tempera-

Nov. 15th, 400 lbs. milk set 48 hours; emperature 50 to 60 deg.; made 20 1-4 lbs.

At the time of these trials the cows had cover hay night and morning, and went to pasture pleasant days. My herd are grade Durhum. Will Jerseys or Durhama give more per cent, of butter than Durhama on the same feed? Is this an average of butter to the number of pounds of milk?

In the Ploughman of Jan. 7, "Jersey Queen of Barnet" is stated to have made a pound of butter to 17 1-2 lbs. of milk. Did the grain she had increase the butter in gnited it is so dry that the fire spreads with

be applied as a top-dressing for grass, if which it was taken has not received any ni-

Written expressly for the Massachusetts Ploughma "EXPERIMENTAL STATION."

"It was not a new subject, for it had bee

BY JOHN E. RUSSELL. BY DR JAMES R. NICHOLS. [Address at the Worcester Agricultural Society's Institute, Jan. 18, 1882. Spy's report.]

To the Editor of Massachusetts Ploughman With the view of ascertaining the comparative nitrogenous value of good field soil and swamp muck, analysis was made at my farm Winnekeni, in December, of these substances, selected under the following conditions: The soil was taken from a field now in grass which has been under experiment for a period of fifteen years. During this time no animal manures of any kind have they are of but little value as applied to the been applied to it, but it has received dressings of artificial fertilizers made at the farm consisting of superphosphates, nitrate of soda, muriate and nitrate of potash, in fixed

MASSACHUSEE

or known amounts, applied with the design of securing answers to certain inquiries. The field has produced successive crops of wheat, rye, corn, and grass; the latter crop of the system of fish culture and fishing on during the past seven years It has not been the coast of the State, where experiments disturbed by the plough during that time. have been made in behalf of the The crops have been large, and this, as one of a long series of experiments on the farm, has been important and instructive. It only remains to say that no manures of any kind have been applied to the field for eight years, and that the sample of soil was taken six lightly the control of the fishermen can pursue their vocation with far more security for life and with a certainty of remuneration than in former years. The interests of agriculture demand similar encouragement. The State has a piant in the land and buildings of the Agricultural College at Amherst. The college, by the way, was conducted the past

One ton of this soil (2000 lbs.) contains 5.40 fbs Nitrogen

One ton water-free :-

The soil analysis shows that the per cent. of nitrogen it contains is about half as large Stable manure that is not too coarse may as that held in the muck. As the field from



THE "ORIENTAL GRAPE."

chusetts entitled to a fair hearing in this matter, and they should receive all the assistance possible in their calling. He spoke daily, presenting all sorts of impracticable and nonsensical notions which they want placed before the legislature for the amelioration for all the ills and sufferings of man-

BOSTON, SATURDAY, JANUARY 28, 1882.

The content was been properly one with shelds above a resident of the content of

coln, the first president of the Worcester

the great farms, and, on his return to Bos-ton, gave the farmers of the State an ac-count of what he had seen, and advocated the culture of turnips. Another distin-guished farmer in his time was Levi Lin-Society's Institute, Jan. 18, 1892.]

He said that Massachusetts affords a

great number of eligible farm sites, accessible

The strategy of the control states of supplies a strategy of the control state of supplies and the strategy of the control state of supplies and the strategy of the control state of supplies and the strategy of the control state of supplies and the strategy of the control state of supplies and the strategy of the control state of supplies and the strategy of the control state of by rail or otherwise to markets. The climate RECLAIMING WOOD AND PASTURE is healthy, the scenery beautiful. One of

and it has been said that the index of the civilisation of a community could be had by knowing the quantity of soap used by the people. Water closets should be placed in every house, and if the ventilating pipe is rightly connected no impure gases will enter the house from this source. The removal of the excreta of man and of animals should receive constant attention and each property

Correspondence.

SEPLOUGHMAN

BY DR. L. W. CURTIS

Editor Massachusetts Ploughman: fodder is better than dry. In the Ploughman of Oct. 11th you have a In the Ploughman of Oct. 11th you have a short acticle on silos which I think will discourage many small farmers from building. Todder, rowen and corn stover, finishing dition of the farm is such that the farmer courage many small farmers from building. I then thought if time ever permitted I would answer it, though I had previously thought, and as I believe many other silo men think, that it is no use to preach to those who are already given to their idols and will not hear, but go on, build more—make my pile—while my neighbors who live within a mile of me, who have never seen my silos yet, persist in saying that it comes out rotten, and the cattle will not eat. I cut the corn fodder I had one piece work in one day than he had ever accomcomes out rotten, and the cattle will not eat I out the corn fodder I had one piece it, and if they do they will not live more than three years before they will lose their tons to the acre.

I out the corn fodder I had one piece work in one day than he had ever accomplished in any other day's ploughing. The chext day he did one-third more work with the corn fodder I had one piece work in one day than he had ever accomplished in any other day's ploughing. The chext day he did one-third more work with the corn fodder I had one piece work in one day than he had ever accomplished in any other day's ploughing. The than three years before they will lose their tons to the acre.

WHOLE NUMBER 2090. "PLOUGHS AND PLOUBHING." which with my machinery did not cost me

over five hundred dollars. I must have one

You say that it pays to raise field corn for

ore for clover, then I shall be satisfied.

rouble. I think no one will deny that green

BY ANSEL W. PUTNAM.

milk, and dried rve is better than oats and straw. If you will put both into a silo, they will be worth far more, with less Coming to ploughing, Mr. Putnam pro-

ceeded to discuss the important questions

than three years before they will lose their teeth. Soon after reading your article, an old man, a good farmer, put into my hand an Almanac dated 1809, which had an article which read thus:

AGRICULTURAL.

"To preserve clover in its green state take your grass from the swath, cut it down as you would straw, on Smytfer's or Kirk's cutting machine, peak it well down in a close apartment or hogshead, giving a pound of salt to every hundred weight. By preserving it in this with any other plough. He had cross-ploughed seven acres with this plough and had a finer seed bed than he had ever seen. After forty years' experience in ploughing, he pronounced the sulky plough is all that he had never used a sulky plough. This question brought him to his practical state of all ploughs, which was simplicity of construction, economy and efficiency, the time to every hundred weight. By preserving it in this way you will have a beau filled with rye and one acre of clover that the team filled with rye and one acre of clover that the team filled with rye and one acre of clover that the common well constructed chilled

In 1880 I did not get my silo done until to every farmer:-

and more so from our eastern farmers who are in the habit of exporting to the West India markets."

You will remember that you stated that it would cost \$600 to build a sile and furnish the machinery, and it would take \$50 yearly for repairs, consequently it would not pay a small farmer who kept two or three cows to build siles.

My friend Clemens's first sile cost only \$25, and the following is the expense of my sile No. 2, made expressly for rye. You and the readers of the Ploughman want and the resders of the Ploughman want the first year a'ter buying my farm I the specific of the restern that he cales of unevenily mached teams. Other twelve to she had in harder for the men and teams. Other twelve the objections to it are the length of time required to learn to hold it skilfully; to make the work so that men like to do it. At present a large proportion of the farmers' help come from Nova Scotia. The speaker for, would amount to between two and three form the could teach a Nova Scotia man how to handle a landside plough in one-tenth of the time required for teaching the handling of the swivel plugh. There were were level to the same of unevenly mached teams.

1 man 8 days. | \$12 00
1 " 8 " | 10.00
Team to move the stones a few rods. | 3.00
Tarred paper | 1.75
Boards | 500
Cement | 7.00

Allowing two dollars more for fixing the

Allowing two dollars more for fixing the

away with the side hill plough altogether.

MR. PURNAN said that turning the land side plough could be done in two-thirds of the time used by the saivel plough. It takes a team longer to turn back within its own track than longer to turn back within its own track than longer to turn back within its own track than appropriation of \$15,000 for the improvement of the civil service, and pledged itself tidescribes a whole circle and in the latter but a balf circle.

He of course realizes that the efforts of these who had torpedo experiments. The House likewise the filling of the Presidency under consideration to assist him to see the way clear to the appropriation of \$15,000 for the improvement of the civil service, and pledged itself to grant whatever aum might be needed for a balf circle.

gained by Mr. Putnam's methods would do harbor fortifications, heavy ordnance, and tasked the efforts of those who had asked for a report from the President on the ation to assist him to see the way clear to

Editor's Cable.

READ AND RUN.

- One Dartmouth student accidentally short

The Part A Continence of the properties of the group of the properties of the proper

Domestic Mankets.

Cattle Markets.

Service sections are selected as the section of the

THE OLD ACTOR.

His Terrible Death from Strangulated Rupture.

Poor Joseph Sefton-His Sad Termina. tion of Life after Amusing Millions in all the Theatres of the

Country for 50 Years. victim of rupture for many years; it was not and therefore not regarded by him as serious small and looked upon more as an iacony most agonizing torments and a speed as one suddenly attacked with che was an attack of strangulated rup though he had skillful surgeons employed, h the most agonizing terment for a week, t away into the sleep which knows no waking From the errors of the dead the living n warning and not as poor Sefton did. miss all fears of strangulated rup agility and the proud satisfi Think of it and never suffer the horn lated rupture to overtake you in of inestimable value to the victim as he is the only known person in absolutely cures rupture on scientifi those who receive his aid are truly fort

say the least, feel very much plea the at \$4@9c D W; I pr workers 6 it 8 the, at \$110; 1 pr 6 it 3 in cattle, 2400 P. W. Thompson sold 2 fat cows dress at 6c D W; I pair steers, 2400 P. J. Wellow A.

\$120; 1 pr gth 6 rt 2 in, 2000 tbs, at \$8 J. H. Fogg sold 1 farrow cow \$20. Libby & Libby sold 1 cow and colf, \$ Aldrich & Johnson sold 1 cow and ca

BOSTON BUTTER MARKET.

Market improv.d, and prices are up to 24 fresh Eastern, at which holders are firm. Sasked 25c at close. We quote tresh Easter 24c; Northern at 23@24c; Canada at 21c; Wern at 25@24c, with fresh stock selling hig and limed at 15@18c. QUINCY MARKET, BOSTON

Rotail Prices.

HOW TO GET EGGS IN

|Springfield Republic

Ispringfield Republican.

This is a question that often rural mind. Anybody who as feed can keep fowls, but not ever keeps fowls can get eggs from the less the profit or loss of winteriless that cares for them, as of and peculiarities of the birds and peculiarities and income and the peculiarities and now average pounds weight apiece. They laying early in November, where you with the peculiarities and they never and the peculiarities and they never and the peculiarities of the peculiarities and the peculiarities and they never and the peculiarities of the peculiarities of the peculiarities and the peculiarities dozen a day, and over 16 eg, his is not all. These same 23 this is not all. These same 25 the new year with 19 eggs, at account (January 10), had it only one of these fowls has at position to set. Their eggs a some of them measuring eige longest way round, and a seweighing close upon 40 ounces pullets are fed, Mr Rogers door aggest they have a great we guess they have a grea plenty of it. We know that chickens with an artificial l chickens with an artificial them away from the mother h are about 24 hours old, does n to run out, keeps them in the of his shop, and uses a good de pepper about his feed. He tal pains to make his fowls sing and the result seems to justif

TRAINING A HEIFER [Farm and Stock Jou

Cows usually become addicte when heifers, from being milke milkers. I have never seen an come a kicker unless abuse come being averse to being giving a large quantity, I hav it the reverse. When pastu and cows come home at night ded with milk, they see Miking a heifer for the first patience, for they will almo kick. In such a case, put a around their body, just in fro and buckle it up moderate y soon as she gets quiet, (for und a little at first,) tak down and go to milking, for less as a kitten. Do not a rope instead of a strap, ver. This is a much tying the legs, etc., as it do animal in the least. A few the strap, with plenty of pati ess, will cure the most



KIDNEY WOR DOES WONDERFUL WH

KIDNEY-WO PERMANENTLY CUR KIDNEY DISEASES, WELLS, RICHARDSON & C.

JOHNSON Indian Blood CURES SCROFULA AND SKIN DISEASES. ES BILIQUSNESS.

DR. CLARK

The Best REMEDY KNOW 12,000,000 B This Syrup possesses Var

DRUGGISTS SELI

Laboratory 77 West port-7 NEW YORK CUT THE OLD ACTOR.

s Terrible Death from Strangulated Rupture.

Joseph Sefton-His Sad Termina of Life after Amusing Millions n all the Theatres of the Country for 50 Years.

BUTTER MARKET.

CY MARKET, BOSTON. Retail Prices. saly for the Ploughman for the w ending Jan. 28 BEEF. &c.

Pork, Lard, &c Poultry, Game, &c.

ips,peck.

olesale Prices. DE QUINCY MARKET. Pork, Lard, &c. er, Cheese and Eggs. 2000 uit and Vegetables.

TOR MARKET. Balt &F ab Meadw @16 to Balt &F ab Meadw @16 to Balt &F ab Meadw @16 to Barnw, F ton ... (0 dos

STATE OF THE MARKETS

HOW TO GET EGGS IN WINTER.

STATE OF THE MARKETS.

The most prominent feature in the butter growth that often puzzles the disting a question that often puzzles at the continued small receiping. This med to keep portion of the sail of the puzzles are get eggs from them. Doubted and the puzzles are get eggs from them. Doubted and the puzzles are get eggs from them. Doubted and the puzzles are get eggs from them. Doubted and the puzzles are get eggs from them. Doubted and the puzzles are get eggs from them. Doubted and the puzzles are get eggs from them. Doubted and the puzzles are get eggs from them. Doubted and the puzzles are get eggs from them. Doubted and the puzzles are get eggs from them. Doubted and the puzzles are grown to the puzzles are grown on the breed puzzles are grown and the puzzles are grown and the

and the second course. How these great variety and parts of the Rogers doesn't tell, but we gave they have a great variety and parts of the natificial broader, takes and the second course of the sec

rong hands. The posted Liverpool quo-tion is 65 shilings and 6 pence per 112 ounds, but letters quote the best cheese up

s high as 68 shillings, and advise holding cent a dozen, but with the liberai supplies it will be difficult to sustain an advance. Saies ruled at 23 to 24 cents per dozen, but only small lots could be disposed at the latter price, and it is not safe for shippers to expect over 23 cents. In New York, under the influence of the excitement prices, were run up to 26 to 28 cents but a supplies a remedy as Hop Bitters."—The Parents.—Telegram.

Marres be for two years, before using it. We carnestly suffer on account of prejudice against so good a medicine as Hop Bitters."—The Parents.—Telegram.

THE DOCTOR TOLD Ms to take a blue with prices, were run up to 26 to 28 cents but a supplies a remedy as Hop Bitters, that we had pooled at for two years, before using it. We carnestly suffer on account of prejudice against so good a medicine as Hop Bitters."—The Parents.—Telegram. ices, were run up to 26 to 28 cents, but the price of beans. Strictly choice hendpicked mediums are very scarce, and small
lots cannot be bought under \$3.50 a bushel.
Letters from New York State, where the
bulk of the stock is held, as what there is

of Kidney se that migh

HopBit

NEVER

KIDNEY WORT

WONDERFUL WHY?

SHE WHAT PROPLE SAT:

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PERMANENTLY CURES
KIDNEY DISEASES,
LIVER COMPLAINTS,
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LET It is put up in Dry, Vegetable Form in

0 * . * . * . * .

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This Surup possesses Varied Properties.

vented, ets upon the Liver, ets upon the Kidneys, ets upon the Kidneys, ets upon the Kidneys, ets interest the Blood, utiles the Nervous System, romotes Digestion.

mulates the Ptyaline in the Saliva, onverts the Starch and Sugar of the orginess. A deficiency in Ptyaline Wind and Souring of the food in the If the medicine is taken immediter cating the fermentation of food need.

Blood Syrup.

cts on the LIVER, ROWELS

DOES

Letters from New York State, where the bulk of the stock is held, say that there is more demand from the West, and liberal shipments will soon be made to that section. Choice pea beans are selling at about the same price of mediums, say from \$3 45 to \$35 50 a bushel. Although these are considered high prices, the prevailing opinion is that higher rates will be obtained in the lots as wanted at from \$3 to \$3 15 a bushel as to quality. In New York, marrow beans re the favorites, and reports quoted sales tt \$3 85 a bushel.

The weather is rather cold for much business in green apples. The stock here is in few hands, and arrivals are mainly on few hands, and arrivals are mainly on dealers' account, so that but few are offering on the market. A large lot could not be sold at over \$2.75 to \$3 a barrel, but in a small way choice apples are worth \$3.50.

Dried apples are attracting more atten-

to \$4.

Dried apples are attracting more attention. Choice quartered and sliced are selling at 6.1-2 to 7.1-2 cents a pound in lots to the trad ', and receivers find no difficilty in getting 7 cents for good bright lots. Apples dried by the evaporating process are doing pretty well at from 13 to 15 cents a pound, with some fancy brands at a higher range. The stock on hand here is not large, and moderate consignments can be disposed of at the figures quoted. at the figures quoted.

Cranberries have not been so scarce for several years as they are at present. They are quoted it \$13 to \$16 per barrel for large iots, but a barrel or two of real choice Cape could not be bought under \$20. At this price they have become a great iuxury, and ordinary restaurants have stopped using them. Dealers say they know of very few to come forward from the country, and the come forward from the country, and the atock is mostly in a few hands in the leading cities. Last year at this time cranberries were selling at \$5 to \$8 per berrel.

-Journal. POULTRY HABITS.

[Rural New Yorker.] [Rural New Yorker.]

Of all atock, hens are the mest easily taught. The education of hens can be commenced at any age; but best while young. They should be housed and shut in every night, and not be allowed to roost on sheds, well sweeps, or trees; even a neglect to shut the door on them for one night will cause the door on them for one night will cause the timid ones to seek a higher roost the next night, and that can only be found out of doors. This leads to laying out of doors—a great nuisance—and to constant loss from night enemies. At sunrise every morning, call the hens around, and scatter a full address, STEVENS BROTHERS, Northford. Cons. ing, call the hens around, and scatter a full feed for them; let this alwaya be done on the aame sput of ground. Keep in a convenient place a reservoir of clean, fresh water, if you have no running stream. At certain and regular times in the day you will find the whole flock there. Throw no scraps of food around the dwelling, or you will teach them to become a house nuisance. Burn all the to occome a nouse nuisance. Burn all the egg-shells, or you will teach the hens to eat eggs in the nests. If you coop your chicks, take hen and brood to the hen-house as soon as the coop is dispensed with; otherwise, as the coop is dispensed with; otherwise, when winter sets in you will have to spend hours every night for a week before they will house well. Protect bens while sitting by a light board or lattice cover to the nest, so that they shall not be annoyed by other hens wishing to lay with them. In fact, any bad habit, or any which does not suit your surroundings, may be entirely broken up and changed by reasonably preventive measures.

KEP THE BEST SHEEP.

(National Live Stock Journal.)

The flock owner who would constantly advance the standard of his flock, must add the standard of his flock must be completed by the standard of his flock, must add the standard of his flock must be completed by the standard of his flock must be completed by the standard of his flock must be completed by the standard of his flock must be standard of his flock must be standard of his flock, must be standar KEEP THE BEST SHEEP. [National Live Stock Journal.]

IMPROVE THE VEGETABLES

"Eleven years our daughter suffered on a bed misery under the care of several of the best od some of the worst) physicians, who gave

"THE DOCTOR TOLD Mu to take a blue pill but I didn't, for I h d aircady been poisoned twice by mercury. The druggist fold me to try farm a Aan and his twice by mercury. I did. It was just the thing

FRANK WAUGH, 80 Walker Street, jan23-4: LOWELL, MASS.

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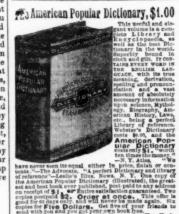
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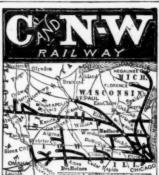
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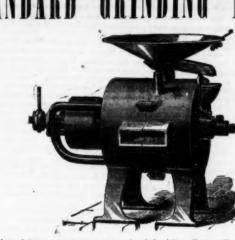
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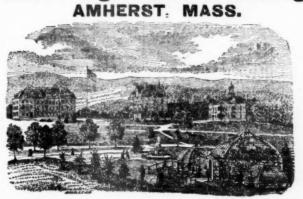


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suffered from this cause, as it urally supposed to have been the case, as was proved by k from being exposed to the od the silo. Farmers have yet in regard to this new system so fortunate as to have a woo fall of snow this winter makes able time for teaming the ver wood for the family's use. hauled, cut and snugly piled much less cost than when the ing work of spring comes on. The Wood Lot .- The fan

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pig, for that end, how much more that the child should be nurtured at for that end, for without a soun constitution all cise is of little ave Then guard carefully their moral tal training; only in this way can